

IN THE SPECIFICATION

On page 19, starting on line 1, the replacement paragraph is as follows:

The remainder of the data set shown below is then used to select an optimum Lambda.

a1 The output of the model is compared to the output specified in the validation set for each input. A goal is defined for the comparison and a search is performed by varying Lambda to determine an optimum value of Lambda that best achieves the goal. Selecting an optimum Lambda is described in further detail below.

On page 19, starting on line 16, the replacement paragraph is as follows:

a2 The weights  $w_i$  shown above may be derived by minimizing the regularization function for a given Lambda. Next, a technique will be described for determining an optimum value of Lambda.

On page 22, starting on line 11, the replacement paragraph is as follows:

a3 In some embodiments, once an optimal Lambda is selected, a final model is retrained using the optimum Lambda. The retraining is done by using both the training data set and the cross validation data set to determine the final set of weights  $\omega$ .